

USPTO
SEP 03 2002
PATENT & TRADEMARK OFFICE

HDP/SB/21 based on PTO/SB/21 (08-00)

2834
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TECHNOLOGY CENTER

Please type a plus sign (+) inside this box → ☒

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	09/836,517
Filing Date	4/17/01
First Named Inventor	Hung T. Du
Group Art Unit	2834
Examiner Name	Thanh Lam
Attorney Docket Number	0275Y-000431/CPA

ENCLOSURES (check all that apply)

☒ Fee Transmittal Form

☐ Fee Attached

☐ Amendment / Response

☐ After Final

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☐ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Response to Missing Parts/ Incomplete Application

☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

☐ Assignment Papers (for an Application)

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition

☐ Petition to Convert to a Provisional Application

☐ Power of Attorney, Revocation Change of Correspondence Address

☐ Terminal Disclaimer

☐ Request for Refund

☐ CD, Number of CD(s) _____

☐ After Allowance Communication to Group

☐ Appeal Communication to Board of Appeals and Interferences

☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Letter

☒ Other Enclosure(s) (please identify below):

Supplemental Information Disclosure Statement; Form 1449 (citing 96 US and 52 Foreign); and return postcard.

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name	Roland A. Fuller III	Reg. No.	31,160
Signature	<i>R. A. Fuller III</i>				
Date	Aug. 30, 2002				

CERTIFICATE OF MAILING/TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.

Typed or printed name	Jennifer Yapo	Date	8/30/02
Signature	<i>Jennifer Yapo</i>		



FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 180

Complete if Known

Application Number 09/826,517
Filing Date 4/17/01
First Named Inventor Hung T. Du
Examiner Name Thanh Lam
Group / Art Unit 2834
Attorney Docket No. 0275Y-000431/CPA

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit
Account
Number

02-2548

Deposit
Account
Name

Black & Decker (U.S.) Inc.

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1)

(\$ 0)

2. EXTRA CLAIM FEES

Total Claims -20 ** = 0 X = 0
Independent Claims -3 ** = 0 X = 0
Multiple Dependent X = 0

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ 0)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17 (g)	
126	180	126	180	Submission of Information Disclosure Stmt	180
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 180)

SUBMITTED BY

Name (Print/Type)

Roland A. Fuller III

Registration No. Attorney/Agent)

31,160

Telephone

248-641-1600

Signature

R. A. Fuller III

Date

Aug. 30, 2002

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#9
9.18.02
RN
PATENT
-4 2002
TECHNOLOGY CENTER 2800

Application No.: 09/836,517
Filing Date: April 17, 2001
Applicant: Hung T. Du
Group Art Unit: 2834
Examiner: Thanh Lam
Title: ELECTRIC MOTOR HAVING ARMATURE COATED
WITH A THERMALLY CONDUCTIVE PLASTIC
Attorney Docket: 0275Y-000431/CPA

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. **LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION**

The patents, publications and other information submitted for consideration by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. **COPIES**

A. X Submitted herewith is a legible copy of (i) each U.S. patent application publication and U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; (iii) for each cited pending U.S. application, the application specification including the claims, and any drawing of the application which caused it to be listed including the claims directed to that portion; and (iv) all other information or that portion which caused it to be listed.

B. Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number

U.S. Filing Date

C. ____ This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search Report are listed on the attached Form-1449 for consideration by the Examiner and for listing on any patent resulting from this application. Since the International Search Report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g))

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

A. ____ Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).

B. X A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):

1. ____ See the attached foreign patent office communication from a counterpart foreign application:

2. X English translations are provided for: as indicated on Form 1449.

3. X Other: English translations of abstracts are provided for: as indicated on Form 1449.

Japanese Patent No. 53-98007, published on August 26, 1978. Varnish is impregnated into gaps between coils and a gap between coils and a magnet core and at the same time varnish is also put into a space formed between an upper die and lower die to be thermally hardened, resulting in vanes formed integrally and solidly on the end portion of the coil.

German Patent No. 1 805 369, was first published on October 16, 1969 and describes a method and an apparatus for generating an insulating cover on an electric winding. As shown in the embodiment, the armature winding of an electric motor is coated with a powder (3), which is heat hardening and may consist of a resin, e.g. an epoxy resin, and contains a hardening agent.

German Utility Model No. 1 844 364, published on January 4, 1962, describes an armature of an electric motor comprising a commutator. As shown in Figures 2, 4, and 6, a ring (19) is positioned between one end of the winding coils and the commutator wherein commutator segments (26) are pressed into recesses of the ring. The prepared armature is inserted into a mould (Figure 6) and plastic material is poured into the mould from the top end so that it flows through slots (25) formed between the armature shaft (10) and the ring (19) to fill

the mould up to the upper end. Thereby the plastic material also fills the axial slots between adjacent commutator segments.

Austrian Patent No. 240 485, which was published on May 25, 1965, describes cooling means for an electric machine. These means may be formed by ribs, e.g. tangential ribs, having additional surface roughness and being provided on the armature (9) and on the bearing plate (4). Thereby a rotating flow of cooling air shall be generated.

German Patent No. 873 272, was published on April 13, 1953 and describes a lamination stack for a stator of an electric machine. The stack is enclosed by plastic material applied by injection moulding. The plastic material forms axial ribs or projections (3, 4) whereas the corners of the lamination stack (2) are not covered by plastic material and act as cooling ribs or fins.

German Patent Application No. P 19 22 427.2, which was published on November 5, 1970, describes an immersion pump having a stator embedded in plastic material, which plastic material may contain embedded metallic cylinders which may be perforated or the like and which extend out of the plastic material to effect heat dissipation.

German Utility Model No. 77 08 518, published on July 28, 1977, describes a perpendicularly positioned electric motor having a motor housing (2) with cooling ribs or fins (1).

European Patent Application 78100755.4, published on April 4, 1979, describes an electric motor having a stator (1) with a laminated core (2) and windings (4), all enclosed by plastic material (8) which contains a filler to increase heat conductivity. The plastic material simultaneously forms the stator housing.

European Patent Application 92105190.0, published on October 7, 1992, describes an apparatus for manufacturing a laminated core for receiving an electric coil wherein injection moulding occurs prior to insertion of the coil.

C. X The following additional information is provided for the Examiner's consideration.

Applicants specifically draw the Examiner's attention to the following:

Translation of Japanese Publication No. 07-123642 (Japanese Patent Application No. 05-264811) (Japanese Patent Application submitted as Document No. 1 under Foreign Patent Documents in IDS filed July 30, 2001)

Translation of Japanese Publication No. 07-123618 (Japanese Patent Application No. 05-264812) (Japanese Patent Application submitted as Document No. 2 under Foreign Patent Documents in IDS filed July 30, 2001)

U.S. 1,642,057

U.S. 2,019,064

U.S. 2,820,914

U.S. 3,688,137

U.S. 4,983,866 (applied by the Examiner in the Official Action mailed August 14, 2002 & therefore not included in this IDS)

U.S. 5,490,319

U.S. 5,634,258

U.S. 5,727,307

U.S. 5,925,467

DE 31 15 713 A1 (Document No. 46 under Foreign Patent Documents - translation included)

While applicants believe that the above may be the most pertinent of the documents they have submitted, applicants do not represent that they have thoroughly studied each document submitted. Applicants invite the Examiner to make the Examiner's own independent assessment of the pertinence of the submitted documents.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A. ___ The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. § 122.

Serial No.

Filing Date

Art Unit

V. THIS IDS IS BEING FILED UNDER

A. ___ 37 C.F.R. § 1.97(b): (check only one box)

1. ___ within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.

2. ____ within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.

3. ____ before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

4. ____ before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.

B. X 37 C.F.R. § 1.97(c): (check only one box)

- before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.

1. X No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

2. ____ See the certification below. No fee is required.

C. ____ 37 C.F.R. § 1.97(d):

- after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.

1. ____ See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)

The undersigned hereby certifies that:

A. ____ each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. § 1.704(d) below in section VII, if applicable; or

B. ___ no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C. ___ Some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 CFR 1.704(d)

The undersigned hereby states that:

___ each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. 1.56(c) more than thirty days prior to the filing of this IDS.

VIII. PAYMENT OF FEES (check only one box)

A. ___ A check in the amount of \$180.00 is enclosed for the above-identified fee.

B. X Please charge Deposit Account No. 02-2548 as indicated on the enclosed Fee Transmittal.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 02-2548.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 02-2548.

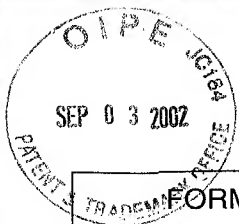
Respectfully submitted,

Dated: Aug. 30, 2002

By: R.A. Fuller
Roland A. Fuller
Reg. No. 31,160

HARNESS, DICKEY & PIERCE, P.L.C.
P.O. Box 828
Bloomfield Hills, Michigan 48303
(248) 641-1600

RAF/jy



FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Sheet 1 of 8

ATTORNEY DOCKET No.

0275Y-000431/CPA

SERIAL No.

09/836,517

APPLICANT

Hung T. Du

FILING DATE

April 17, 2001

GROUP

2834

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.		2,019,064	10/29/1935	V.G. Apple		
2.		2,232,812	02/25/1941	Clair W. Studer		
3.		2,381,533	08/07/1945	F.P. Forss		
4.		2,618,757	11/18/1952	T.R. Wieseman et al.		
5.		2,683,233	07/06/1954	F.L. Ruhl		
6.		2,747,119	05/22/1956	M.E. Petersen et al.		
7.		2,820,914	01/21/1958	H. Rudoff et al.		
8.		2,822,483	02/04/1958	M.V. De Jean et al.		
9.		2,949,555	08/16/1960	T.R. Paul		
10.		2,997,776	08/29/1961	R.C. Matter et al.		
11.		3,151,262	09/29/1964	C.F. Howard et al.		
12.		3,182,383	05/11/1965	J. Rosenberg et al.		
13.		3,212,170	10/19/1965	J.W. Marshall		
14.		3,388,458	06/18/1968	J.L. Logan		
15.		3,407,491	10/29/1968	C.L. Clevenger et al.		
16.		3,427,264	02/11/1969	E.O. Forster et al.		
17.		3,436,815	04/08/1969	M.W. Sheets		
18.		3,468,020	09/23/1969	D.W. Carlson et al.		
19.		3,588,560	06/28/1971	Hans Akselsen		
20.		3,618,929	11/09/1971	Harold R. Upchurch		
21.		3,688,137	08/29/1972	Filhol		

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SEP 03 2002

FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION**
(Use several sheets if necessary)

Sheet 2 of 8

ATTORNEY DOCKET NO.	SERIAL No.
0275Y-000431/CPA	09/836,517
APPLICANT	
Hung T. Du	
FILING DATE	GROUP
April 17, 2001	2834

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
22.		3,758,799	09/11/1973	Dochterman et al.		
23.		3,813,294	05/28/1974	C.H. Dyer et al.		
24.		3,874,073	04/01/1975	Dochterman et al.		
25.		4,038,741	08/02/1977	Schuler		
26.		4,087,712	05/02/1978	Mosimann et al.		
27.		4,159,562	07/03/1979	Liptak et al.		
28.		4,219,748	08/26/1980	Sakaguchi et al.		
29.		4,235,656	11/25/1980	Shimada et al.		
30.		4,263,711	04/28/1981	Sakano et al.		
31.		4,341,972	07/27/1982	Penn et al.		
32.		4,349,760	09/14/1982	Diepers		
33.		4,387,311	06/07/1983	Kobayashi et al.		
34.		4,399,949	08/23/1983	Penn et al.		
35.		4,553,320	11/19/1985	Bryant-Jeffries et al.		
36.		4,559,464	12/17/1985	Stokes		
37.		4,560,893	12/24/1985	van de Griend		
38.		4,616,407	09/14/1986	Tamaki et al.		
39.		4,624,884	11/25/1986	Harada et al.		
40.		4,682,410	07/28/1987	Kreuzer et al.		
41.		4,782,254	11/01/1988	Kreuzer et al.		

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION**
(Use several sheets if necessary)

Sheet 3 of 8

ATTORNEY DOCKET No.	SERIAL No.
0275Y-000431/CPA	09/836,517
APPLICANT	
Hung T. Du	
FILING DATE	GROUP
April 17, 2001	2834

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
42.		4,800,315	01/24/1989	Schulz et al.		
43.		4,818,910	04/04/1989	Reisenweber		
44.		4,823,032	04/18/1989	Ward et al.		
45.		4,908,534	03/13/1990	Gubler et al.		
46.		4,908,535	03/13/1990	Kreuzer et al.		
47.		4,918,801	04/24/1990	Schwarz et al.		
48.		4,922,604	05/08/1990	Marshall et al.		
49.		4,963,776	10/16/1990	Kitamura		
50.		5,003,212	03/26/1991	Ibe et al.		
51.		5,095,612	03/17/1992	McAvena		
52.		5,121,021	06/09/1992	Ward		
53.		5,130,596	07/14/1992	Umeki		
54.		5,233,249	08/03/1993	Schaeftlmeier et al.		
55.		5,244,608	09/14/1993	Andersen		
56.		5,268,607	12/07/1993	McManus		
57.		5,313,698	05/24/1994	Schaeftlmeier et al.		
58.		5,341,561	08/30/1994	Schorm et al.		
59.		5,352,948	10/04/1994	Kirn et al.		
60.		5,459,190	10/17/1995	Nakamura et al.		
61.		5,477,092	12/19/1995	Tarrant		

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Sheet 4 of 8

ATTORNEY DOCKET NO.

SERIAL NO.

0275Y-000431/CPA

09/836,517

APPLICANT

Hung T. Du

FILING DATE

GROUP

April 17, 2001

2834

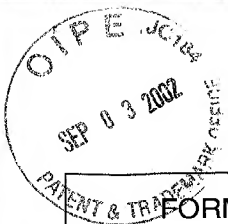
U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
62.		5,490,319	02/13/1996	Nakamura et al.		
63.		5,567,284	10/22/1996	Bauer et al.		
64.		5,584,114	12/17/1996	McManus		
65.		5,606,791	03/04/1997	Fougere et al.		
66.		5,634,258	06/03/1997	Onodera et al.		
67.		5,668,428	09/16/1997	Stojkovich et al.		
68.		5,714,827	02/03/1998	Hansson		
69.		5,715,590	02/10/1998	Fougere et al.		
70.		5,727,307	03/17/1998	Gstohl et al.		
71.		5,731,646	03/24/1998	Heinze et al.		
72.		5,731,651	03/24/1998	Hyodo		
73.		5,783,877	07/21/1998	Chitayat		
74.		5,783,888	07/21/1998	Yamano		
75.		5,806,169	09/15/1998	Trago et al.		
76.		5,821,654	10/13/1998	Woo		
77.		5,845,389	12/08/1998	Roberts et al.		
78.		5,911,685	06/15/1999	Siess et al.		
79.		5,921,913	07/13/1999	Siess		
80.		5,925,467	07/20/1999	Strumpler et al.		
81.		5,955,812	09/21/1999	Warner		

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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
82.		5,960,532	10/05/1999	Hill		
83.		5,964,694	10/12/1999	Siess et al.		
84.		5,982,056	11/09/1999	Koyama et al.		
85.		5,998,905	12/07/1999	Fougere et al.		
86.		6,020,661	02/01/2000	Trago et al.		
87.		6,057,626	05/02/2000	Tanaka et al.		
88.		6,139,487	10/31/2000	Siess		
89.		6,145,585	11/14/2000	Wei		
90.		6,166,468	12/26/2000	Suzuki et al.		
91.		6,173,915	01/16/2001	Cohen et al.		
92.		6,268,678	07/31/2001	Asao et al.		
93.		6,281,612	08/28/2001	Asao et al.		
94.		6,317,963	11/20/2001	Powers et al.		
95.		6,362,554	03/26/2002	Neal		
96.		1,642,057	9/13/1927	V.G. Apple		

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.		PCT/DE96/01489	2/27/97	PCT		Abstract	
2.		JP 3-293943	12/25/1991	Japan		Abstract	

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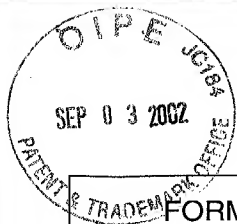
FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation	
						Yes	No
3.		JP 61-269640	11/29/1986	Japan		Abstract	
4.		JP 3-265437	11/26/1991	Japan		Abstract	
5.		JP 5-199717	08/06/1993	Japan		Abstract	
6.		JP 5-199716	08/06/1993	Japan		Abstract	
7.		JP 2000-197295	12/07/2001	Japan		Abstract	
8.		JP 9-172748	06/30/1997	Japan		Abstract	
9.		JP 2001-169501	05/16/2001	Japan		Abstract	
10.		JP 10-166398	09/14/1999	Japan		Abstract	
11.		JP 7-123642	05/12/1995	Japan		Abstract	
12.		JP 7-123618	05/12/1995	Japan		Abstract	
13.		JP 1-123459	05/16/1989	Japan		Abstract	
14.		JP 4-121364	04/22/1992	Japan		Abstract	
15.		JP 53-98007	08/26/1978	Japan			X
16.		JP 7-75271	03/17/1995	Japan		Abstract	
17.		JP 2000-23432	1/21/2000	Japan		Abstract	
18.		DE 35 22 084	01/02/1987	Germany		Abstract	
19.		DE 28 38 179	03/29/1979	Germany		Abstract	
20.		DE 195 03 085	09/12/1996	Germany		Abstract	
21.		DE 32 34 275	03/15/1984	Germany		Abstract	
22.		DE 197 49 108	04/01/1999	Germany		Abstract	

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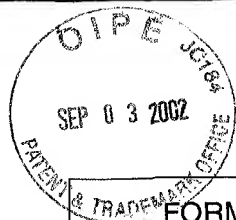
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						Yes	No
23.		DE 27 12 403	09/28/1978	Germany		Abstract	
24.		DE 42 41 404	06/16/1994	Germany		Abstract	
25.		DE 1 021 466	12/27/1957	Germany		Abstract	
26.		DE 197 01 307	07/23/1998	Germany		Abstract	
27.		DE 29 19 485	12/04/1980	Germany		Abstract	
28.		DE 35 28 492	02/12/1987	Germany		Abstract	
29.		DE 199 54 314	05/17/2001	Germany		Abstract	
30.		DE 1 488 502	05/14/1969	Germany		Abstract	
31.		DE 199 43 446	03/15/2001	Germany		Abstract	
32.		DE 31 15 713	11/04/1982	Germany		X	
33.		DE 198 54 642	06/15/2000	Germany		Abstract	
34.		DE 197 35 748	07/30/1998	Germany		Abstract	
35.		DE 199 02 837	08/10/2000	Germany		Abstract	
36.		DE 100 52 913	07/26/2001	Germany		Abstract	
37.		DE 199 05 869	10/26/2000	Germany		Abstract	
38.		DE 1 805 369	10/16/1969	Germany			X
39.		DE 1 844 364	01/04/1962	Germany			X
40.		EP 0 581 966	02/09/1994	Europe		X	
41.		AU 240458	5/25/1965	Austria			X
42.		EP 0 858 147	8/12/1998	Europe		X	

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Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation	
						Yes	No
43.		DE 873 272	04/13/1953	Germany			X
44.		DE 1 922 427	11/05/1970	Germany			X
45.		GB 2 202 170	9/21/1988	Great Britain		X	
46.		DE 31 15 713	11/04/1982	Germany		X	
47.		DE 38 14 040	11/09/1989	Germany		Abstract	
48.		DE 38 33 574	04/05/1990	Germany		Abstract	
49.		DE 44 27 426	05/11/1995	Germany		Abstract	
50.		DE 77 08 518	7/28/1977	Germany			X
51.		EP 78100755.4	4/4/1979	Europe			X
52.		EP 92105190.0	10/7/1992	Europe			X

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